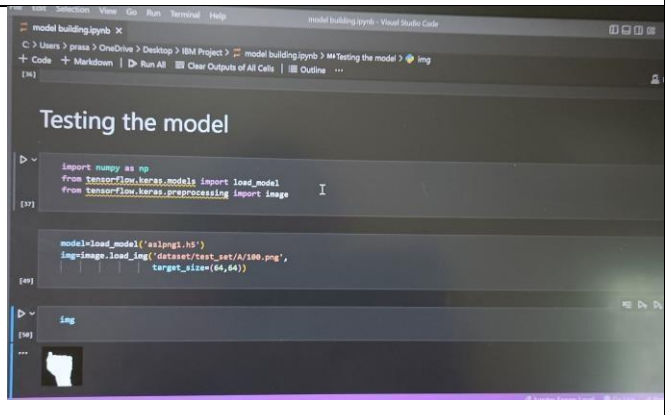
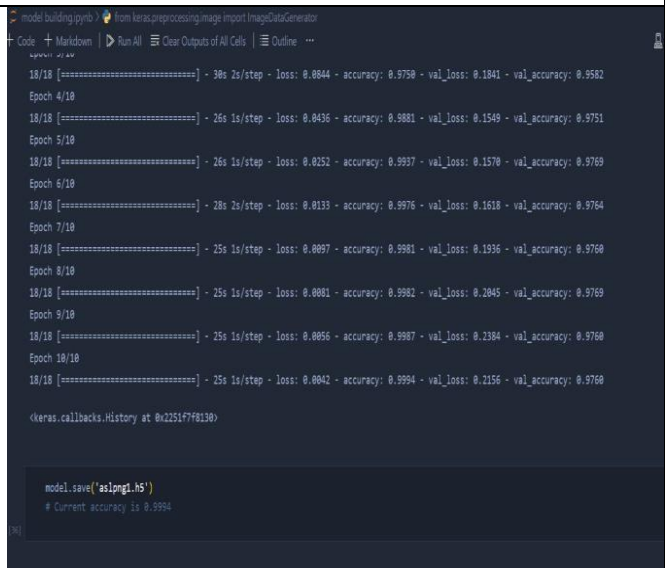


Project Development Phase Model Performance Test

| | |
|---------------|--|
| Date | 19 November 2022 |
| Team ID | PNT2022TMID06858 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 10 Marks |

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

| S.No. | Parameter | Values | Screenshot |
|-------|---------------|--|---|
| 1. | Model Testing | - |  <pre> import numpy as np from tensorflow.keras.models import load_model from tensorflow.keras.preprocessing import image model=load_model('as1pugi.h5') img=image.load_img('dataset/test_set/A/100.png', target_size=(64,64)) img </pre> |
| 2. | Accuracy | Training Accuracy - Validation Accuracy - |  <pre> 18/18 [=====] - 30s 2s/step - loss: 0.8844 - accuracy: 0.9758 - val_loss: 0.1841 - val_accuracy: 0.9582 Epoch 4/10 18/18 [=====] - 26s 1s/step - loss: 0.8436 - accuracy: 0.9881 - val_loss: 0.1549 - val_accuracy: 0.9751 Epoch 5/10 18/18 [=====] - 26s 1s/step - loss: 0.8252 - accuracy: 0.9937 - val_loss: 0.1578 - val_accuracy: 0.9769 Epoch 6/10 18/18 [=====] - 28s 1s/step - loss: 0.8133 - accuracy: 0.9976 - val_loss: 0.1618 - val_accuracy: 0.9764 Epoch 7/10 18/18 [=====] - 25s 1s/step - loss: 0.8097 - accuracy: 0.9981 - val_loss: 0.1936 - val_accuracy: 0.9768 Epoch 8/10 18/18 [=====] - 25s 1s/step - loss: 0.8081 - accuracy: 0.9982 - val_loss: 0.2045 - val_accuracy: 0.9769 Epoch 9/10 18/18 [=====] - 25s 1s/step - loss: 0.8056 - accuracy: 0.9987 - val_loss: 0.2384 - val_accuracy: 0.9768 Epoch 10/10 18/18 [=====] - 25s 1s/step - loss: 0.8042 - accuracy: 0.9994 - val_loss: 0.2156 - val_accuracy: 0.9768 <keras.callbacks.History at 0x251f7f8138> model.save('as1pugi.h5') # Current accuracy is 0.9994 </pre> |
| . | | | |

